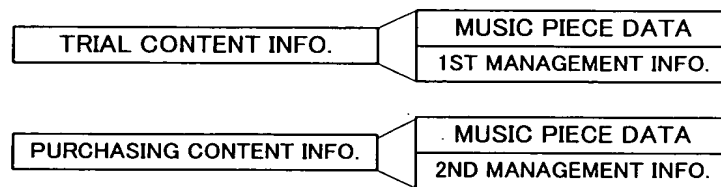


F I G . 1 A



F I G . 1 B

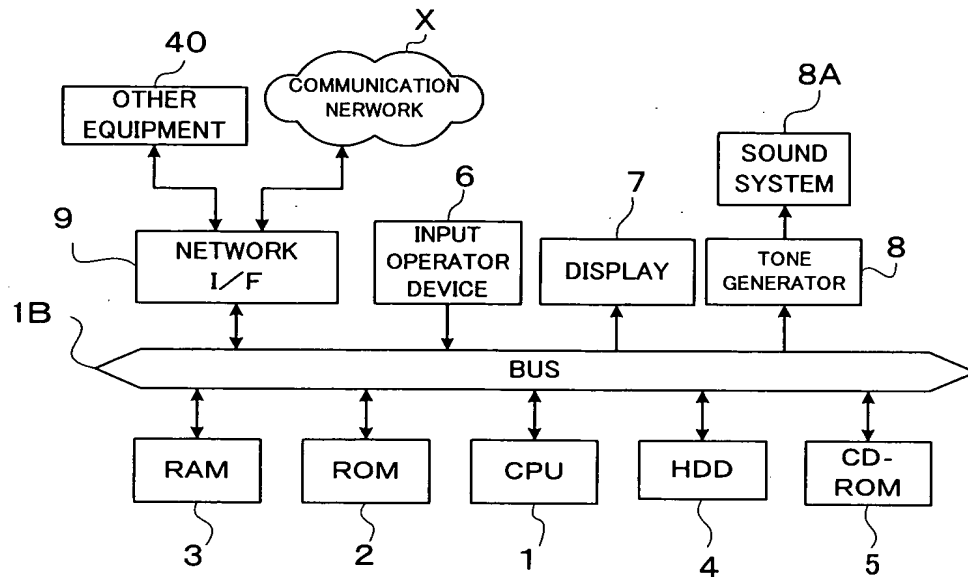


FIG. 2

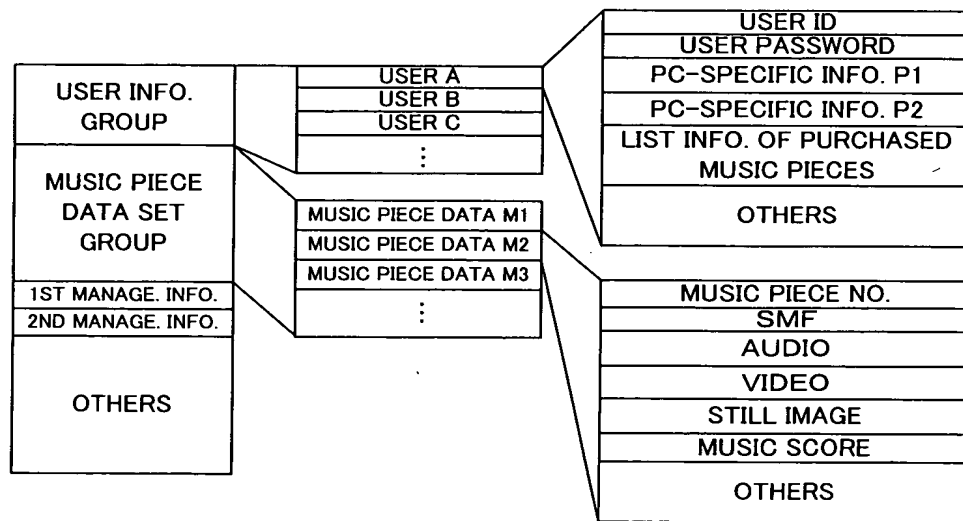


FIG. 3

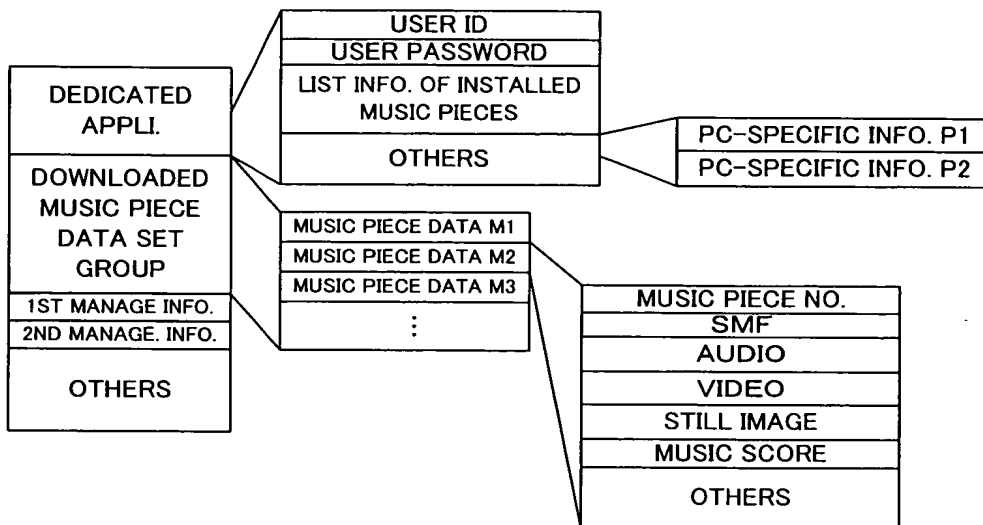


FIG. 4

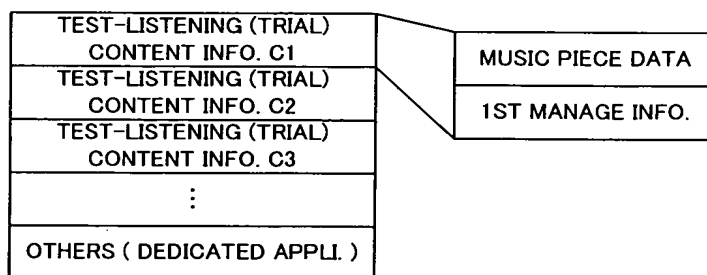


FIG. 5

CLIENT APPARATUS

INSTALLATION OF TRIAL MUSIC
PIECE INFO. FROM CD-ROM
•BOOT UP DEDICATED APPLI. & SET
CD-ROM
•LIST INFO. DISPLAY, & USER
SELECTION
•RECORD IN HDD

FIG. 6A

CLIENT APPARATUS

TRIAL MUSIC PIECE INFO.
DOWNLOAD
① ACCESS SERVER (USER ID,
PASSWORD, etc.)
•DISPLAY LIST INFO.
③ SELECT DESIRED MUSIC PIECE, &
TRANSMIT SELECTED MUSIC
PIECE INFO.
•RECEIVE MUSIC PIECE INFO., &
RECORD IT IN HDD

SERVER APPARATUS

SUPPLY OF MUSIC PIECE INFO.
② TRANSMIT LIST INFO.
④ READ OUT USER DESIRED
MUSIC PIECE INFO. FROM
HDD, & TRANSMIT IT IN FROM
ENCRYPTED WITH 1ST. KEY

FIG. 6B

CLIENT APPARATUS

PURCHASE OF MUSIC INFO.
•PURCHASE OF TRIAL MUSIC PIECE
INFO. STORED IN HDD ? →YES
① ACCESS (ID, PASSWORD)
② TRANSMIT INFO. SPECIFIC TO
USER APPARATUS
③ SELECT MUSIC PIECE TO BE
PURCHASED, & TRANSMIT THE
SELECTION INFO.
•RECEIVE 2ND. MANAGE. INFO,
REPLACE 1ST MANAGE. INFO. WITH
THE 2ND. INFO., & STORE THE 2ND
INFO. IN ENCRYPTED FORM

SERVER APPARATUS

SALE OF MUSIC PIECE INFO.
④ READ OUT 2ND. MANAGE.
INFORMATION CORRE. TO
RECEIVED MUSIC PIECE NUMBER,
ENCRYPT THE MANAGE. INFO.
WITH 2ND. ENCRYPTION KEY, &
TRANSMIT THE ENCRYPTED
MANAGE. INFO.
•BILLING PROCESS IN PARALLEL
TO ABOVE PROCESS
•ADD TO PURCHASED MUSIC
PIECE INFO.

FIG. 6C

CLIENT APPARATUS

PURCHASE OF MUSIC INFO.
•PURCHASE OF TRIAL MUSIC PIECE
INFO. STORED IN HDD ? →NO
① ACCESS (ID, PASSWORD)
② TRANSMIT INFO. SPECIFIC TO
USER APPARATUS
④ SELECT MUSIC PIECE TO BE
PURCHASED FROM DISPLAYED
LIST & TRANSMIT SELECTION
INFO.
•RECEIVE MUSIC PIECE DATA &
2ND. MANAGE. INFO., & STORE
MUSIC PIECE INFO. INTO HDD IN
ENCRYPTED FORM

SERVER APPARATUS

SALE OF MUSIC PIECE INFO.
③ TRANSMIT LIST INFO.
⑤ READ OUT MUSIC PIECE DATA &
2ND. MANAGE. INFO. CORRE. TO
RECEIVED MUSIC PIECE NUMBER,
ENCRYPT THE DATA & INFO.
WITH 1ST. & 2ND. ENCRYPTION
KEY BASED ON SPECIFIC INFO.
RECEIVED AT ②, & TRANSMIT
THEN IN ENCRYPTED FORM
•BILLING PROCESS IN PARALLEL
TO ABOVE PROCESS
•ADD TO PURCHASED MUSIC PIECE
INFO.

FIG. 6D

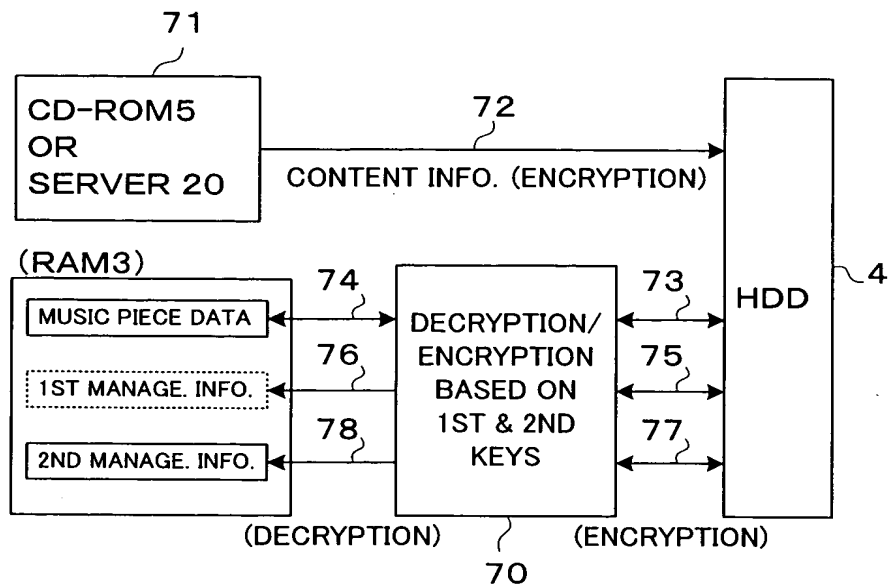


FIG. 7

USE OF MUSIC PIECE DATA BASED ON DEDICATED APPLI.

- ① AUTO. PERFORMANCE (MIDI DATA)
- ② AUDIO REPRODUCTION (AUDIO DATA)
- ③ STILL & ANIMATED IMAGE DISPLAY (VIDEO DATA & STILL IMAGE DATA)
- ④ MUSIC SCORE DISPLAY (MIDI DATA + MUSIC-SCORE-DISPLAY ASSISTING DATA)
- ⑤ KARAOKE (MIDI DATA + LYRICS + IMAGE DATA)
- ⑥ LESSON FUNCTION

⋮

FIG. 8